

Message Text

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ACTION SCI-06

INFO OCT-01 EA-11 IO-14 ISO-00 FEA-02 ACDA-19 CIAE-00

INR-10 L-03 NSAE-00 NSC-07 RSC-01 DRC-01 SSO-00

INRE-00 /075 W

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O R 121129Z JUL 74

FM USMISSION IAEA VIENNA

TO SECSTATE WASHDC IMMEDIATE 4719

INFO AEC GERMANTOWN IMMEDIATE

AMEMBASSY TAIPEI

AMEMBASSY TOKYO

C O N F I D E N T I A L IAEA VIENNA 6202

E. O. 11652: GDS

TAGS: PARM TECH IAEA TW

SUBJECT: IAEA SAFEGUARDS ACTIVITIES IN ROC

REF: A) AMMONS/GABBERT TELCON JULY 11

B) IAEA VIENNA 6878 DTD AUGUST 21, 1973

AEC PASS AMMONS, DIP, NLT 1200 EDT

1. FOLLWOING INFO OBTAINED TODAY FROM IAEA INSPECTOR GEN ROMETSCH
AND SVEIN THORSTENSEN (NORWAY), CHIEF FAR EAST SECTION, DIV.
OF OPERATIONS:

A) PRINCIPAL OPERATING FACILITY BEING INSPECTED BY
IAEA PURSUANT SAFEGUARDS AGREEMENTS WITH ROC IS CANADIAN-SUPPLIED
NRX-TYPQ RESEARCH REACTOR AT CHUNG SHAN INSTITUTE. AT PRESENT,
TWO INSPECTIONS PER YEAR BEING CARRIED OUT. SOME TIME DURING 1975,
CALCULATED QUANTITY OF PLUTONIUM IN FUEL IN REACTOR IS EXPECTED
REACH TEN EFFECTIVE KGS, AT WHICH TIME, IN ACCORDANCE AGENCY'S
SAFEGUARDS SYSTEM (INFCIRC/66/REV.2), FREQUENCY OF INSPECTIONS
WILL INCREASE TO THREE PER YEAR. LAST INSPECTION WAS MAY 3, 1974.

B) IN ADDITION TO INSPECTIONS THAT REACTOR, ROC HAS AGREED
PERMIT REQUIRED SERVICING OF IAEA-INSTALLED SURVEILLANCE
CAMERAS BY IAEA PERSONNEL (NOT RPT NOT NECESSARILY OFFICIALLY
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ACCEPTED BY ROC AS "INSPECTORS"). FILM MAGAZINE CAPACITY AND
EXPOSURE RATE SUCH THAT REPLACEMENT REQUIRED AT INTERVALS

OF SEVERAL MONTHS. LAST SUCH SERVICING (BY "NON-INSPECTOR", WITH RESECT ROC) WAS APRIL 3, 1974.

C) CAMERAS IN REACTOR BUILDING VIEW REACTOR, BRIDGE, STORAGE BLOCK, AREA ABOVE HATCH TO SPENT FUEL BAY AND SHIPPING DOOR (AIR LOCK), CAMERAS ABOVE STORAGE POND VIEW LENGTH OF BUILDING; ITEMS PASSING THROUGH ROOF HATCH MUST PASS DIRECTLY IN FRONT OF CAMERAS. CAMERAS ARE MINOLTA MOVIE CAMERAS OF TYPE SHOWN TO GEORGE MURPHY, JCAE STAFF DURING VISIT WEEK JULY 1, INSTALLED IN SET OF THREE FOR REACTOR HALL AND TWO FOR STORAGE POND. MAGAZINES CONTAIN 7500 FRAMES, EXPOSED AT RATE OF 4 TO 6 PER HOUR, ALTERNATING BETWEEN 2 OR 3 CAMERAS IN SET. CAMERAS IN GIVEN SET HAVEDIFFERING OPTICS TO PERMIT DETECTION OF EFFORTS TO IMPOSE FAKE SCENE IN FRONT OF CAMERAS.

D)REACTOR HAS NOT RPT NOT OPERATED SUFFICIENTLY LONG TO REQUIRE FUEL REPLACEMENT. AS DETERMINED BY CAMERAS AND INSPECTIONS, IAEA IS CERTAIN NO FUEL IN FACT HAS BEEN REMOVED, NOR HAS ANY UNAUTHORIZED ACTIVITY TAKEN PLACE.

E) DURING PERIOD MAY 2-4, 1974, IAEA ALSO CARRIED OUT ROUTINE INSPECTIONS ARGONAUT REACTOR AND "MOBILE EDUCATIONAL REACTOR" UNDER IAEA-US-ROC TRILATERAL.

F) HAVING RECEIVED ACCEPTANCE BY ROC OF PROVISIONAL FACILITY ATTACHMENT PROPOSED BY IAEA FOR 600 MW US-SUPPLIED POWER REACTOR, IAEA WILL SHORTLY ADVISE USG THAT PROVISIONAL FACILITY ATTACHMENT (PRESUMABLY COVERING PRE-OPERATIONAL INSPECTIONS) IS IN EFFECT.

2. ROMETSCH AND THORSTENSEN ALSO EXPRESSED CONSIDERABLE INTEREST IN "CHEMISTRY LABORATORY" AT CHUNG SHAN INSTITUTE, WHICH IS NOT SUBJECT TO EITHER ROC-IAEA AGREEMENT OR TO IAEA-US-ROC TRILATERAL (EXCEPT WHEN AND IF NUCLEAR MATERIAL SUBJECT TO SAFEGUARDS UNDER EITHER THOSE AGREEMENTS IS PRESENT). THEY UNDERSTAND "LABORATORY" IS BEING OR HAS BEEN EQUIPPED WITH PILOT EQUIPMENT FOR IRRADIATED FUEL REPROCESSING, BUT THEY KNOW NO OTHER DETAILS. IN THAT CONNECTION, BOTH STATED CATEGORICALLY THAT NORWEGIAN CONSULTANT WAS NOT NAMED BUT ROMETSHC SAID HE CAME FROM GROUP WHICH HAD CONSTRUCTED FUEL REPROCESSING PILOT PLANT IN NORWAY, OF "VERY INTERESTING DESIGN". ACCORDING TO ROMETSCH, DR. T.J. BARENDREGT (NETHERLANDS), PRESENTLY WITHN COMPRIMO COMPANY, AMSTERDAM, HAD ASSISTED IN DESIGN OF NORWEGIAN
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PILOT PLANT. ALSO, ACCORDING TO ROMETSCH, BARENDREGT OR COMPRIMO HAD BEEN APPROACHED EARLIER BY ROC TO PROVIDE CONSULTING SERVICES ON FUEL REPROCESSING, BUT HAD DECLINED, AS HAD FRENCH FIRM STE. GOBAIN (ON INSTRUCTIONS FROM GOLDSCHMIDT, CEA) AND FRG FIRM. ROMETSCH ALSO SAID ST. GOVAIN HAD BEEN DIRECTED BY GOLDSCHMIDT, WHO HAD FIRST CONFIRMED WITH ROMETSCH THAT NO EXISTING SAFEGUARDS ARRANGEMENTS IN ROC WOULD BE APPLICABLE, TO DECLINE ACCOMPANYING ROC REQUEST FOR EXPERIMENTAL QUANTITY OF PLUTONIUM.
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